

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-112710

(43)Date of publication of application : 24.04.2001

(51)Int.Cl.

A61B 1/00

A61B 5/07

G02B 23/24

(21)Application number : 11-298749

(71)Applicant : ASAHI OPTICAL CO LTD

(22)Date of filing : 20.10.1999

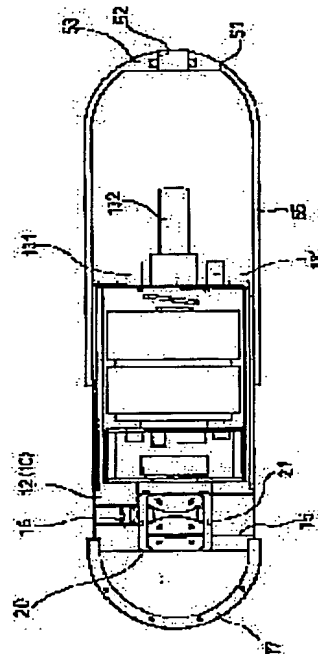
(72)Inventor : NINOMIYA ICHIRO  
NAKAJIMA MASAOKI  
NAKAMURA TETSUYA  
FUSHIMI MASAHIRO  
NAKANISHI TAICHI  
EGUCHI MASARU  
OHARA KENICHI

## (54) CAPSULATED ENDOSCOPE

(57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a practical capsulated endoscope providing good workability regarding assembly, including focusing operation, and being miniaturized.

**SOLUTION:** The capsulated endoscope, in which an object image formed by an objective lens under the illumination of an illuminating body is focused on an image sensor and an image signal produced by the image sensor is wirelessly transmitted, includes: an objective lens barrel for supporting the objective lens; a main block having a lens holding tube for holding the objective lens barrel, an illuminating body supporting plate part being approximately perpendicular to the lens holding tube for supporting the illuminating body, and a cylindrical body for holding the image sensor; an approximately hemispherical transparent cover for covering the front of the illuminating body supporting plate part of the main block; and a focusing mechanism which moves the objective lens barrel back and forth relative to the lens holding tube of the main block in the direction of the optical axis while the transparent cover and the image sensor are fixed to the main block.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]  
[Patent number]  
[Date of registration]  
[Number of appeal against examiner's decision of rejection]  
[Date of requesting appeal against examiner's decision of rejection]  
[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office